

APPENDIX--CLAIMS AS PENDING

1. (Twice amended) A composition comprising a monoclonal antibody [specifically bound to a RET antigen on]and a cell selected from the group consisting of a multipotent neuronal progenitor (proNP) cell, a nonneuronal progenitor (NNP) cell and a committed neuronal progenitor (NP) cell, wherein said monoclonal antibody is specifically bound to a RET antigen on said cell.
2. (Twice Amended) The [monoclonal antibody]composition according to claim 1, wherein said RET antigen consists essentially of the extracellular domain of RET.
4. (Twice Amended) A method for the enrichment of neural progenitor cells, said method comprising:
 - a) combining a mixed population of cells comprising neural-crest derived cells comprising neural progenitor cells with [a reagent]an antibody that specifically binds to a RET antigen; and
 - b) selecting for RET positive cells.
5. (Amended) [A]The method according to claim 4 wherein said [reagents are antibodies] antibody is selected from the group consisting of polyclonal antibody, monoclonal antibody, antibody fragments, and single chain antibody.
6. (Amended) [A]The method according to claim 5, wherein [at least one of] said [antibodies]antibody is fluorochrome conjugated.
7. (Twice Amended) [A]The method according to claim 6, wherein said selecting with said fluorochrome conjugated [antibodies]antibody is by flow cytometry.

8. (Amended) A substantially pure population of neural crest derived neural progenitor cells where said cells are selected from the group consisting of multipotent neuronal progenitor (proNP) cells, nonneuronal progenitor (NNP) cells and committed neuronal progenitor (NP) cells.

12. (Amended) [A]The population according to claim 8 wherein said neural progenitor cells are bound to [a reagent]an antibody that specifically binds to RET antigen.

13. (Amended) [A]The population according to claim 12 wherein said [reagent is a RET] antibody is selected from the group consisting of polyclonal antibody, monoclonal antibody, antibody fragments, and single chain antibody.

14. (Amended) [A]The population according to claim 13 wherein said antibody is a monoclonal antibody.

15. A method for the enrichment of neural progenitor cells, said method comprising:

a) combining a mixed population of cells comprising neural-crest derived cells

comprising neural progenitor cells with a monoclonal antibody that

specifically binds to a RET antigen; and

b) selecting for RET positive cells.